

# Understanding Glare, Not All Sports Lighting Fixtures Are Created Equal



This digital photo shows four different sports lighting fixtures aimed at same point on the field, demonstrating differences in the control of glare.

Aiming, wattage, supply voltage and other aspects of the demonstration were verified by a DMD staff member to ensure an honest comparison. All of these fixtures are currently available and installed on sports fields.

Note the glare produced as captured by the photo and the level of development for each fixture as described below (the unlabeled light in the foreground is a low wattage parking lot light).



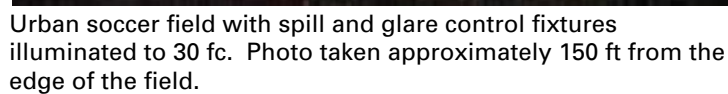
# Understanding Typical Lighting Levels

The eye adapts to different light levels making it possible to see in a wide range of illuminated conditions

Description	Lux Levels
Sunny Day Outdoors	5,000 fc
Overcast Day	500 fc
Illuminated College Football Stadium Lighted for TV	150 fc
Illuminated Baseball/Soccer Field	20 to 30 fc
Typical Street Lighting (Measured directly under luminaire)	4 to 5 fc
Moonlight Falling on a Surface	0.1 fc

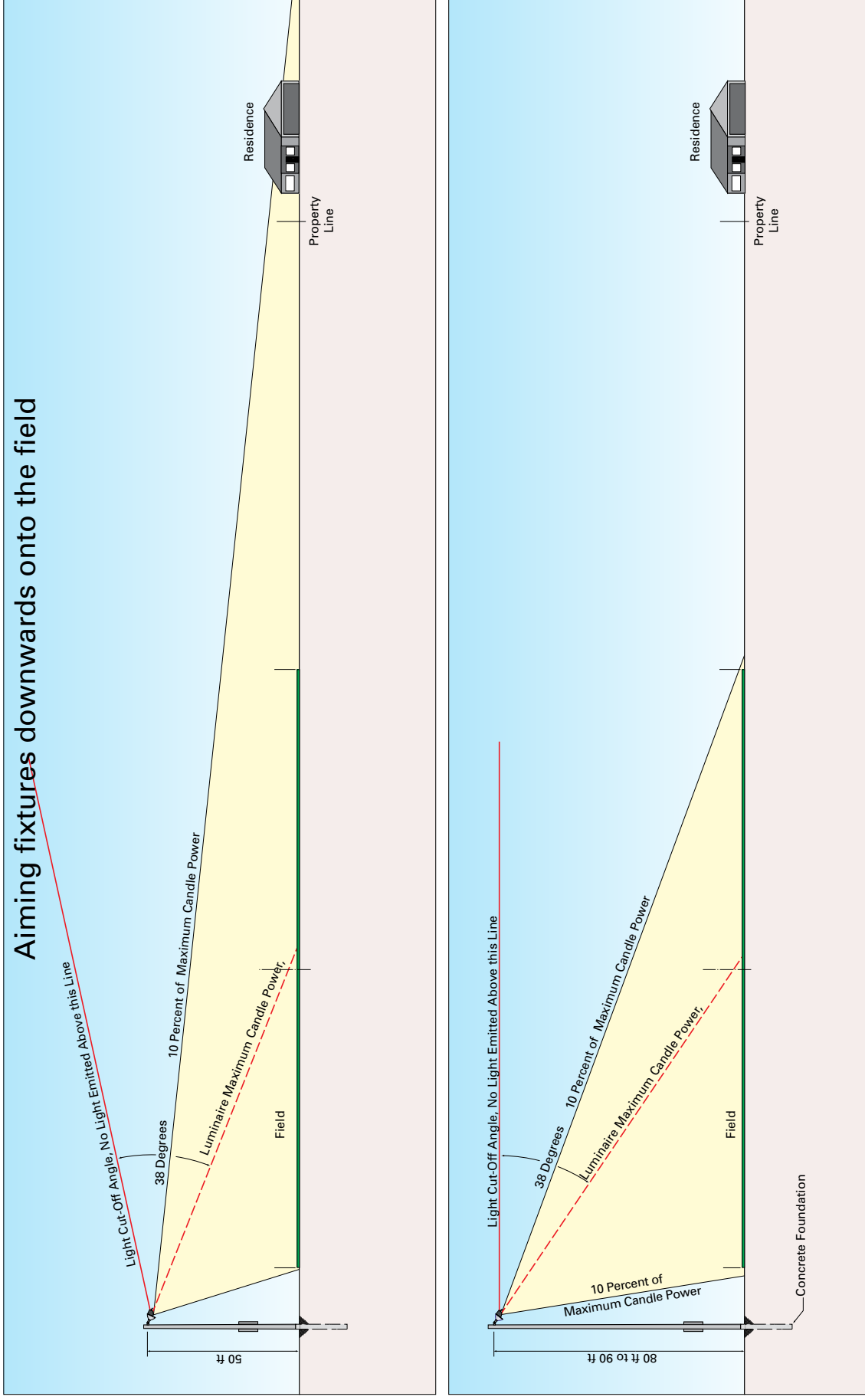


A horizontal scale bar with alternating black and white segments. Above the bar, the markings '0'', '50'', and '100'' are printed. The bar is divided into two main sections: the first section (0 to 50 feet) consists of four equal black and white squares, and the second section (50 to 100 feet) is a single solid black rectangle.



# How Pole Height Assists In Controlling Obtrusive Light Impacts

Taller poles typically reduce impacts off site, including spill light, glare and sky glow.



# Typical Shielded Sports Lighting Fixtures

